

HIV-1 Tat, or derivatives thereof, alone or in combination, for prophylactic and therapeutic vaccination against AIDS, tumors and related syndromes

Abstract

The present invention refers to Tat as the active principle for a prophylactic and/or
5 therapeutic vaccine against HIV infection, the progression towards AIDS and the
development of tumors and other syndromes and symptoms in subjects infected by
HIV. Tat is in biologically active form either as recombinant protein or peptide or as
DNA. More particularly, the invention refers to a vaccine based on HIV-1 Tat as
immunogen, inoculated as DNA and/or recombinant protein or as peptides, alone or
10 in combination with other genes or viral gene products (Nef, Rev, Gag) or parts
thereof, or in combination with various immuno modulant cytokines (IL-12, IL-15) or
with the gene coding for an immuno modulant cytokine or part thereof. Tat, Nef, Rev,
Gag and the immuno modulant cytokines are administrated both as a mixture of
recombinant proteins, peptides or fusion proteins (Tat/Nef, Tat/Rev, Tat/Gag, Tat/IL-
15 12, Tat/IL-15) or as plasmid DNA.

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